

Claims

1. Insulation element (4, 4'), at least one nonwoven layer (5) and/or a foam layer (11) being enclosed by a film layer (1), characterized in that the film layer (1) consists of a flame-retardant material which is preferably closed to vapour diffusion, in that the film layer (1) also has through-openings (2) and in that the through-openings (2) are open to vapour diffusion.
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2. Insulation element according to Claim 1 or in particular according thereto, characterized in that the through-openings (2) comprise cut-outs (2) formed in the film layer (1) and in that the cut-outs (2) are closed by a second film (3) of material which is open to vapour diffusion, disposed in a window-like manner.
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- 20 3. Insulation element according to one or more of the preceding claims or in particular according thereto, characterized in that the through-openings (2) are formed as circular holes.
- 25 4. Insulation element according to one or more of the preceding claims or in particular according thereto, characterized in that the second film (3) is disposed as a second film layer under the outer film layer (1) and in such a way that it covers the latter even in the regions without through-openings (2).
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- 35 5. Insulation element according to one or more of the preceding claims or in particular according thereto, characterized in that the second film (3) and the outer film layer (1) are laminated to each other.

6. Insulation element according to one or more of the preceding claims or in particular according thereto, characterized in that a third film layer (1') is disposed under the second film layer (3) and in that the third film layer (1') also has through-openings (2') which are open to vapour diffusion.
7. Insulation element according to one or more of the preceding claims or in particular according thereto, characterized in that the third film layer (1') consists of a flame-retardant material.
8. Insulation element according to one or more of the preceding claims or in particular according thereto, characterized in that the flame-retardant material is polyimide, PPS, PET, PVF or PVDF.